

08-03-04

GJOA/CAG



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

(149087)

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/802,103	03/16/2004	Charles Whisman	GES0001-100

**RECEIVED**  
COZEN IP DEPT.

CONFIRMATION NO. 3230

## FORMALITIES LETTER



\*OC000000012852354\*

35138  
COZEN O' CONNOR, P.C.  
1900 MARKET STREET  
PHILADELPHIA, PA 19103-3508

JUN 07 2004

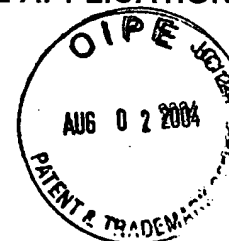
DUE DATE 8/3/2004  
MAX DATE 1/3/2005  
DOCKETED BY ONL

Date Mailed: 06/03/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - The drawings have a line quality that is too light to be reproduced (weight of all lines and letters must be heavy enough to permit adequate reproduction) or text that is illegible (reference characters, sheet numbers, and view numbers must be plain and legible) see 37 CFR 1.84(l) and (p)(1)); See Figure(s) 13A-F.
  - Numbers, letters, and reference characters on the drawings must measure at least 0.32 cm (1/8 inch) in height. See Figure(s) 13A-F.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

08/04/2004 EFLORES 00000059 501275 10802103

01 FC:2051 65.00 DA

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

---

*A copy of this notice MUST be returned with the reply.*

B7U  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202  
PART 1 - ATTORNEY/APPLICANT COPY



DOCKET NO.: GES0001-100

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Charles B. Whisman, III**

Serial No.: **10/802,103**

Group Art Unit: **Not Yet Determined**

Filed: **March 16, 2004**

Examiner: **Not Yet Determined**

Title: **Methods And Systems For Groundwater Remediation**

**EXPRESS MAIL LABEL NO: EV147594741US**

**DATE OF DEPOSIT: August 2, 2004**

Mail Stop Missing Parts  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION**

In response to the "Notice to file Missing Parts of Nonprovisional Application--Filing Date Granted" mailed **June 3, 2004**, a response to which is due **August 3, 2004**, enclosed herewith for filing is:

- ☒ A copy of the Notice to File Missing Parts.
- ☒ Executed copies of the Declaration and the Power of Attorney
- ☐ Basic Filing Fee of @@ is enclosed together with the surcharge.
- ☐ Request for Corrected Filing Receipt.
- ☐ Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 C.F.R. § 1.137(b).
- ☒ Fee Transmittal Form.
- ☐ Applicants have previously claimed small entity under 37 C.F.R. § 1.27.
- ☐ A check in the amount of \$@@ is attached to cover the surcharge. Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1275.
- ☐ Request For \_\_\_\_\_ Extension of Time.

**DOCKET NO.: GES0001-100**


**PATENT**

☒ Please charge the surcharge to my Deposit Account No. 50-1275 in the amount of \$65.00.

The Commissioner is hereby authorized to charge payment of all fees associated with this communication or credit any overpayment to Deposit Account No. 50-1275.

The Commissioner is hereby authorized to charge payments of any patent application processing fees under 37 C.F.R. § 1.17 and under C.F.R. § 1.20(d) and any filing fees under 37 C.F.R. § 1.16, including fees for presentation of extra claims during the pendency of this application or credit any overpayment to Deposit Account No. 50-1275. This sheet is attached in duplicate.

Date: August 2, 2004

  
Christine A. Goddard, Ph.D.  
Registration No. 46,731

COZEN O'CONNOR, P.C.  
1900 Market Street, 6<sup>th</sup> Floor  
Philadelphia, PA 19103-3508  
(215) 665-2191 – Telephone  
(215) 665-2013 – Facsimile

DOCKET NO.: GES0001-100



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: **Charles B. Whisman, III**

Serial No.: **10/802,103**

Group Art Unit: **Not Yet Determined**

Filed: **March 16, 2004**

Examiner: **Not Yet Determined**

Title: **Methods And Systems For Groundwater Remediation**

**EXPRESS MAIL LABEL NO: EV147594741US**  
**DATE OF DEPOSIT: August 2, 2004**

Mail Stop Missing Parts  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

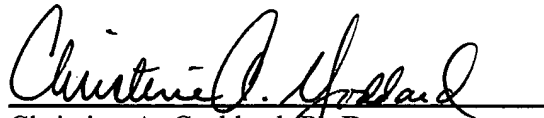
Dear Sir:

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

The Notice to File Missing Parts mailed June 3, 2004 in connection with the above-identified patent application asserted that replacement drawings for Figures 13A, 13B, 13C, 13D, 13E, and 13F be provided. In particular, Figures 13A-13F were objected to because the drawings have a line quality that is too light to be reproduced and further objected to because of the height of the numbers, letters, and references characters. Replacement Figures 13A, 13B, 13C, 13D, 13E, and 13F are provided herewith in compliance with 37 CFR 1.84 and 1.121. Applicants' undersigned representative confirmed with a representative of the Office of initial Patent Examination Division that replacement drawings should be submitted only for those drawings specifically identified in the Notice (i.e., Figures 13A-13F).

Applicants respectfully submit that the claims are in condition for allowance. An early notice of the same is earnestly solicited. The Examiner is invited to contact Applicants' undersigned representative at (215) 665-2191 if there are any questions regarding Applicants' claimed invention.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christine A. Goddard", is written over a horizontal line.

Christine A. Goddard, Ph.D.  
Registration No. 46,731

Date: August 2, 2004

COZEN O'CONNOR  
1900 Market Street  
Philadelphia, PA 19103-3508  
Telephone: (215) 665-2191  
Facsimile: (215) 665-2013

Please type a plus sign (+) inside this box → ☒

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# TRANSMITTAL FORM

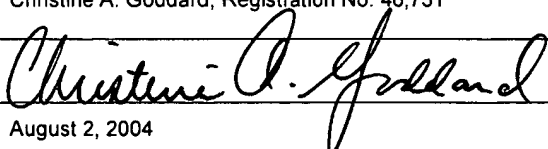
(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Application Number	10/802,103
	Filing Date	March 16, 2004
	First Named Inventor	Charles B. Whisman, III
	Group Art Unit	Not yet determined
	Examiner Name	Not yet determined
Attorney Docket Number	GES0001-100	

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Response  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s): Figures 13A, 13B, 13C, 13D, 13E, and 13F  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  1. Copy of Notice to File Missing Parts of Nonprovisional Application 2. Executed Declaration
Remarks  <b>EXPRESS MAIL LABEL NO: EV147594741US</b> <b>DATE OF DEPOSIT: August 2, 2004</b>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Christine A. Goddard, Registration No. 46,731		
Signature			
Date	August 2, 2004		

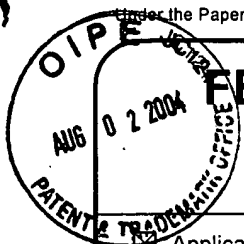
## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on this date:

Typed or printed name			
Signature		Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EV147594741US



# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 65.00

## Complete if Known

Application Number	10/802,103
Filing Date	March 16, 2004
First Named Inventor	Charles B. Whisman, III
Examiner Name	Not yet determined
Art Unit	Not yet determined
Attorney Docket No.	GES0001-100 (149087)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☒ Other ☐ None  
Order

☒ Deposit Account:

Deposit  
Account  
Number  
50-1275

Deposit  
Account  
Name  
Cozen O'Connor, P.C.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$0

### 2. EXTRA CLAIM FEES

	Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
				- 20 ** =	X	
				- 3 ** =	X	
				X		

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	65
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$65.00

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Christine A. Goddard, Ph.D.	Registration No. Attorney/Agent)	46,731	Telephone	215-665-2191
Signature				Date	8-2-04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.